Title: Combined Sensor And Heating Element

## **Amendments to the Abstract:**

The invention relates to a combined sensor and heating element (1) which is particularly suitable for a motor vehicle seat. Said sensor and heating element comprises a sensor mat which comprises a carrier film (2) and a cover file (3), sensors (6) which are arranged between the carrier film (2) and the cover film (3), and sensor conductor paths, in addition to a heating conductor arrangement. According to the invention, the conductor paths (4) of the heating conductor arrangement are integrated into the sensor mat.